

CLAIMS

What is claimed is:

- 1            1.    An organic light emitting device, comprising:
- 2                    an electrode;
- 3                    a current self-limiting structure; and
- 4                    an organic stack located between said electrode and said current
- 5                    self-limiting structure.

- 1            2.    The device as defined in claim 1, wherein said current self-limiting structure
- 2                    resides in contact with said electrode.

- 1            3.    The device as defined in claim 1, wherein said current self-limiting structure is
- 2                    applied as a patterned lattice structure over said electrode.

- 1            4.    The device as defined in claim 1, wherein said current self-limiting structure is
- 2                    applied as a grid defining windows in which said electrode is applied.

- 1            5.    The device as defined in claim 1, wherein said current self-limiting structure
- 2                    comprises an anisotropically conductive material.

- 1            6.    The device as defined in claim 1, further including a photoresist material in
- 2                    contact with said current self-limiting structure and said electrode.

1           7.       The device as defined in claim 1, wherein said current self-limiting structure  
2 resides between said electrode and a conducting layer.

1           8.       The device as defined in claim 7, wherein said conducting layer is embedded  
2 within said current self-limiting structure.

1           9.       The device as defined in claim 7, wherein said conducting layer resides over  
2 said current self-limiting structure.

1           10.      A method for increasing the reliability of an organic light emitting device,  
2 comprising the steps of:  
3                   forming an organic light emitting device; and  
4                   incorporating a current self-limiting structure within said organic light emitting  
5 device.

1           11.      The method as defined in claim 10, wherein said current self-limiting structure  
2 is formed in contact with an electrode of said organic light emitting device.

1           12.      The method as defined in claim 10, wherein said current self-limiting structure  
2 is formed as a patterned lattice in contact with an electrode of said organic light emitting  
3 device.

1            13.    The method as defined in claim 10, wherein said current self-limiting structure  
2    is applied as a grid defining windows in which an electrode of said organic light emitting  
3    device is applied.

1            14.    The method as defined in claim 10, wherein said current self-limiting structure  
2    comprises an anisotropically conductive material.

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